

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100720\
 Data File : VD067158.D
 Acq On : 07 Oct 2020 17:51
 Operator : VA/SY
 Sample : L4273-12
 Misc : 4.62G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-6A

Quant Time: Oct 08 07:24:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

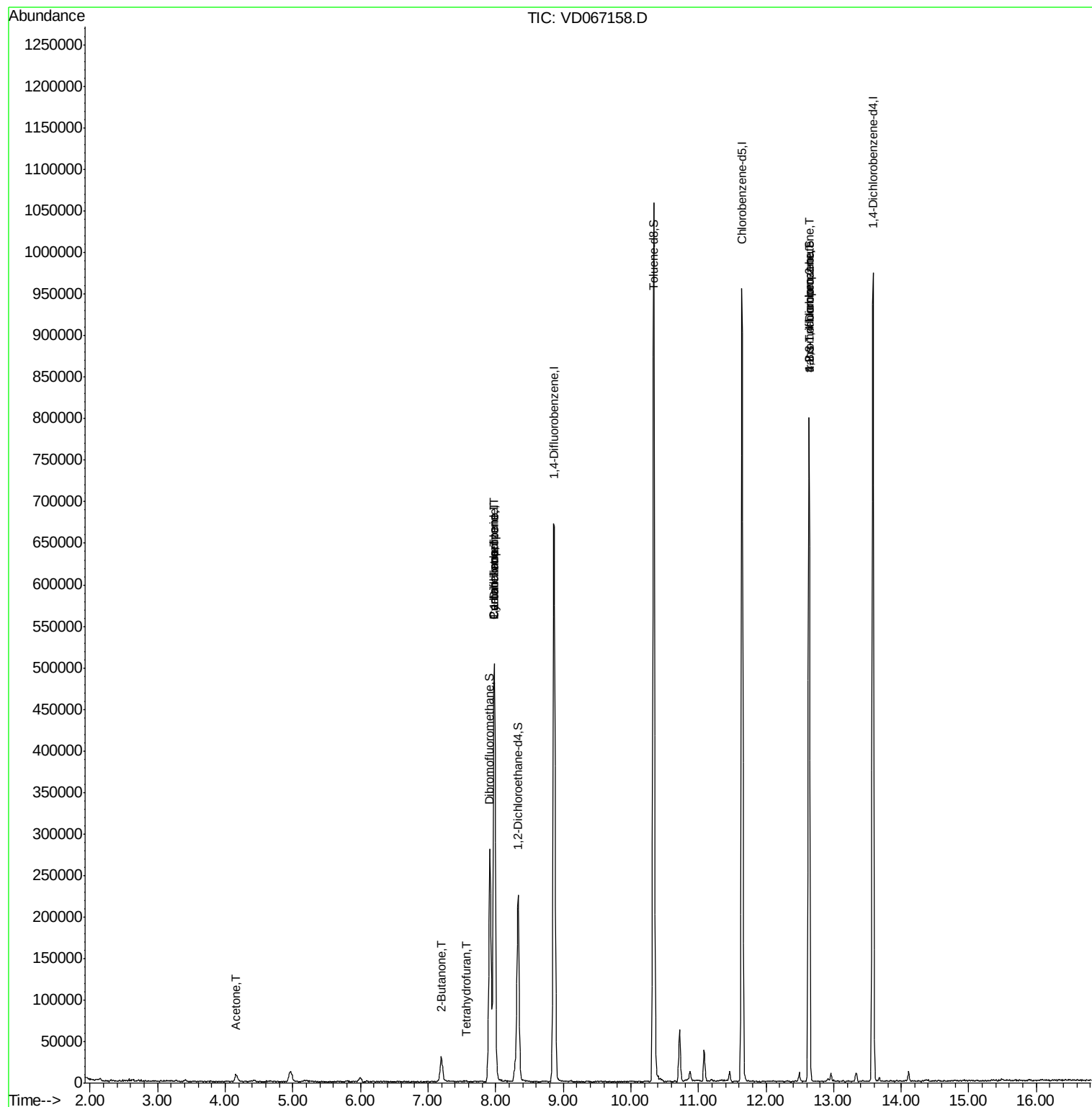
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	384549	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	620477	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	577342	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	271645	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	185208	50.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.00%	
35) Dibromofluoromethane	7.91	113	198482	48.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.72%	
50) Toluene-d8	10.34	98	729372	49.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.56%	
62) 4-Bromofluorobenzene	12.64	95	245614	48.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.76%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	755	Below Cal		85
5) Bromomethane	2.78	94	84	Below Cal	#	3
11) Tert butyl alcohol	5.21	59	576	Below Cal	#	72
16) Acetone	4.16	43	15202	26.887	ug/l	93
20) Methylene Chloride	4.97	84	10809	Below Cal	#	81
25) 2-Butanone	7.20	43	1374	1.714	ug/l #	46
26) 2,2-Dichloropropane	7.20	77	1486	Below Cal	#	53
29) Tetrahydrofuran	7.57	42	539	1.169	ug/l #	79
31) Cyclohexane	7.98	56	8166	1.468	ug/l #	25
36) 1,1-Dichloropropene	7.98	75	28712	4.964	ug/l #	51
38) Carbon Tetrachloride	7.98	117	40201	6.424	ug/l #	18
76) 1,2,3-Trichloropropane	12.64	75	124120	52.457	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	124120	130.783	ug/l #	12

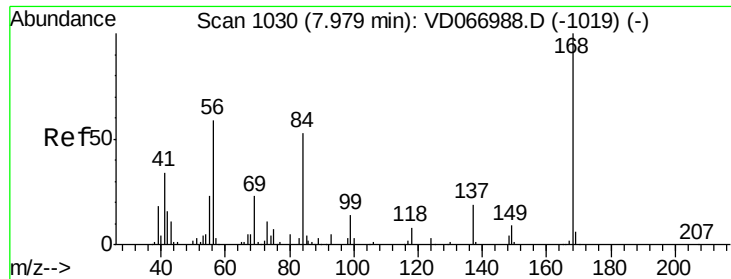
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067158.D

Acq: 07 Oct 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

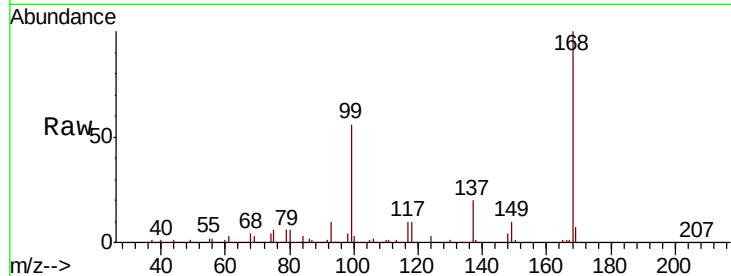
SB-6A

Tot Ion:168 Resp: 384549

Ion Ratio Lower Upper

168 100

99 56.1 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

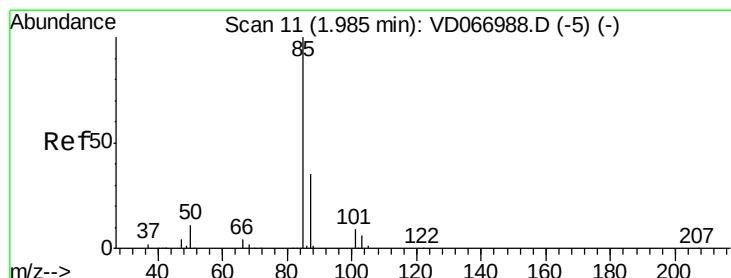
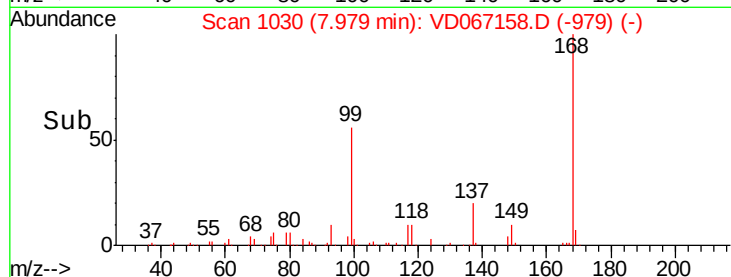
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067158.D

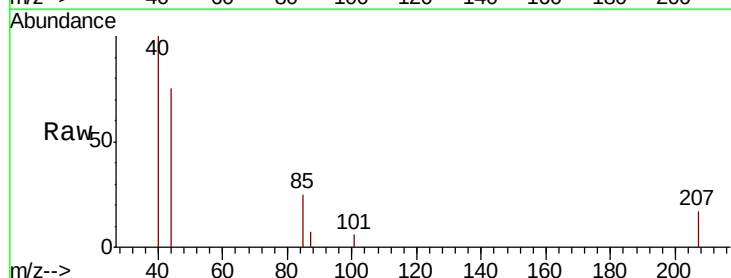
Acq: 07 Oct 2020 17:51

Tgt Ion: 85 Resp: 755

Ion Ratio Lower Upper

85 100

87 26.1 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

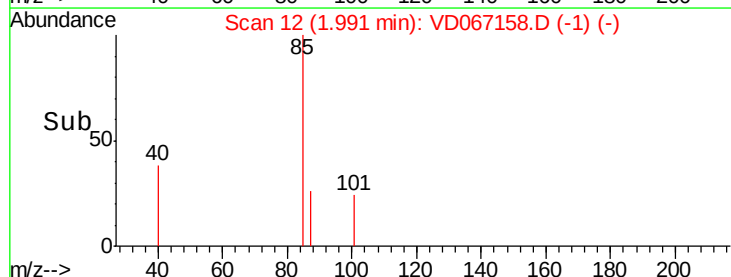
600

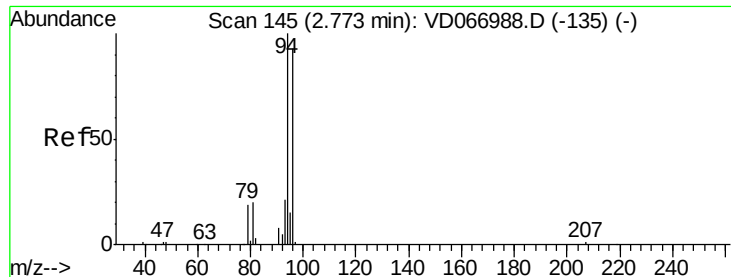
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067158.D

Acq: 07 Oct 2020 17:51

Instrument :

MSVOA_D

ClientSampled :

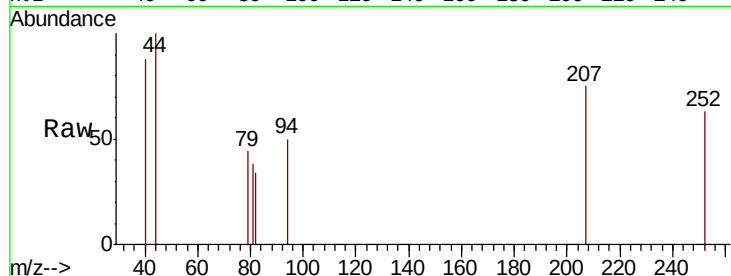
SB-6A

Tot Ion: 94 Resp: 84

Ion Ratio Lower Upper

94 100

96 0.0 74.6 112.0#



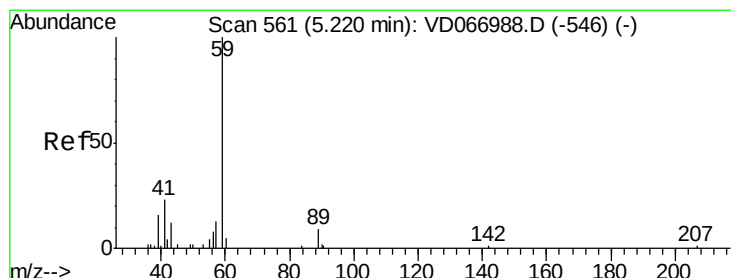
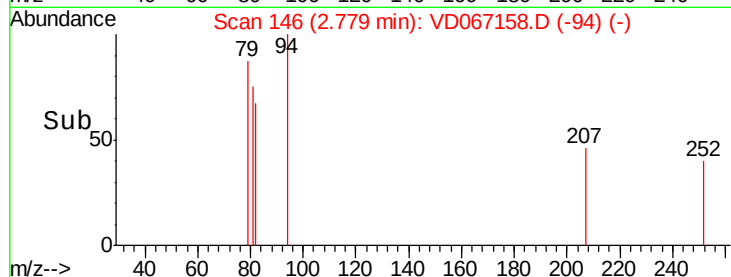
Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.78

2.77 2.78 2.79

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD067158.D

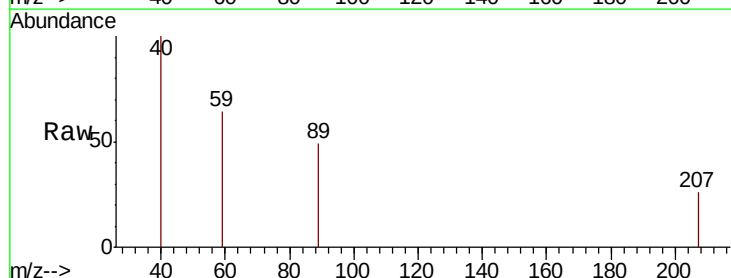
Acq: 07 Oct 2020 17:51

Tgt Ion: 59 Resp: 576

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



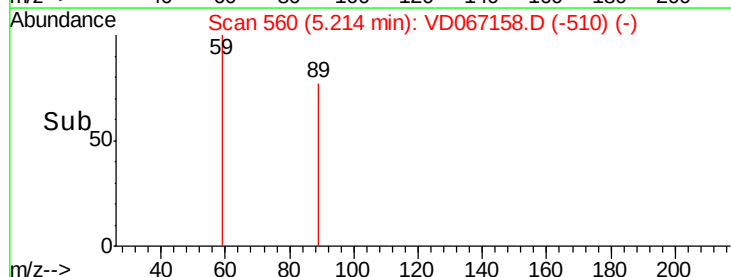
Abundance Ion 59.00 (58.70 to 59.70): VDC

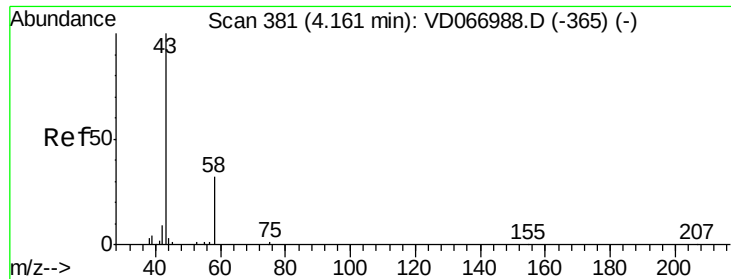
Ion 57.00 (56.70 to 57.70): VDC

5.21

5.20 5.21 5.22 5.23

Time-->





#16

Acetone

Concen: 26.887 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067158.D

Acq: 07 Oct 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

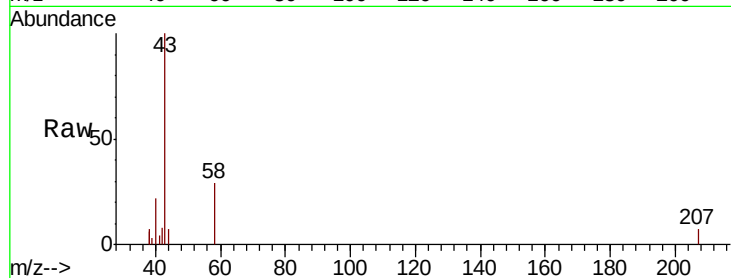
SB-6A

Tot Ion: 43 Resp: 15202

Ion Ratio Lower Upper

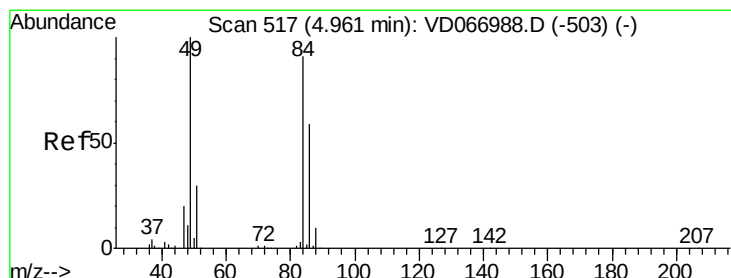
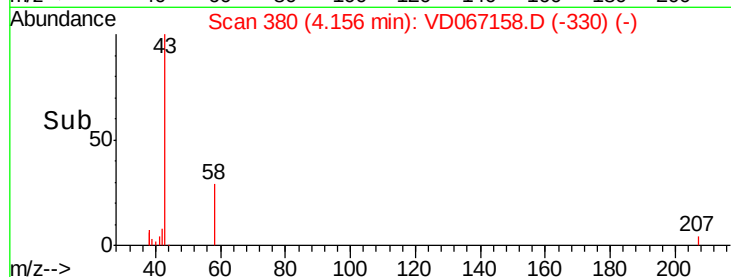
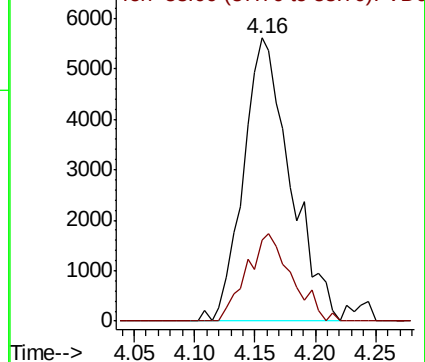
43 100

58 28.7 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD067158.D

Acq: 07 Oct 2020 17:51

Tgt Ion: 84 Resp: 10809

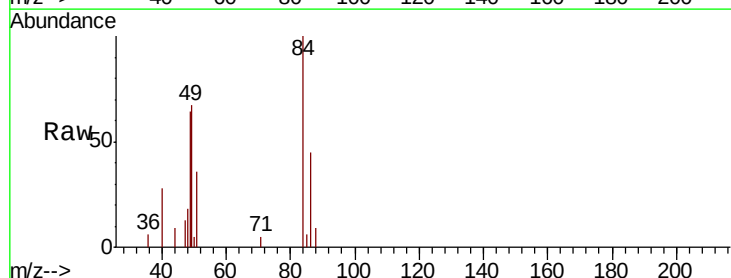
Ion Ratio Lower Upper

84 100

49 130.8 88.2 132.2

51 35.5 26.6 39.8

86 44.7 52.1 78.1#

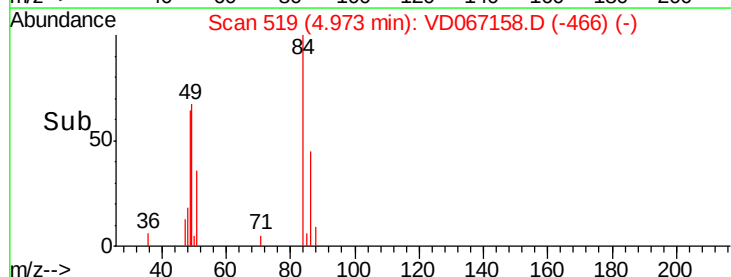
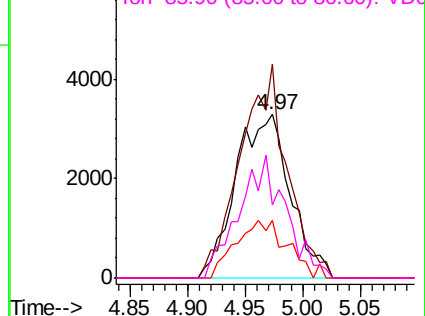


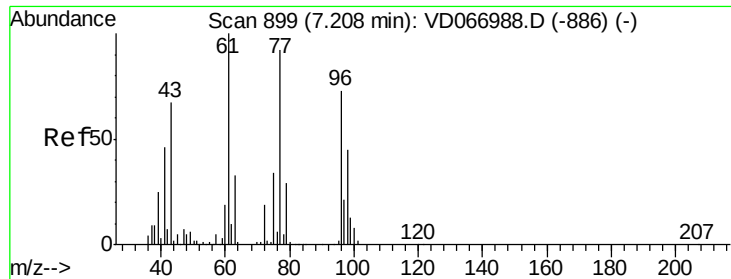
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

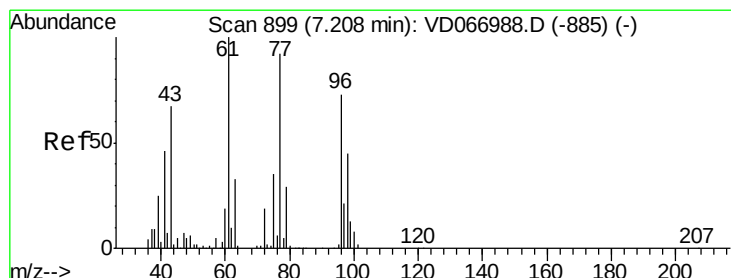
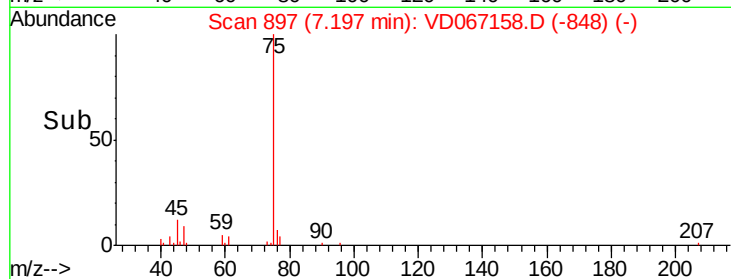
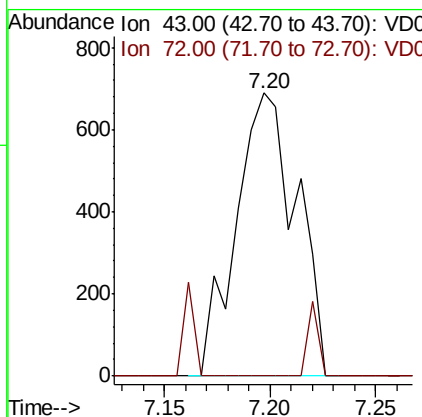
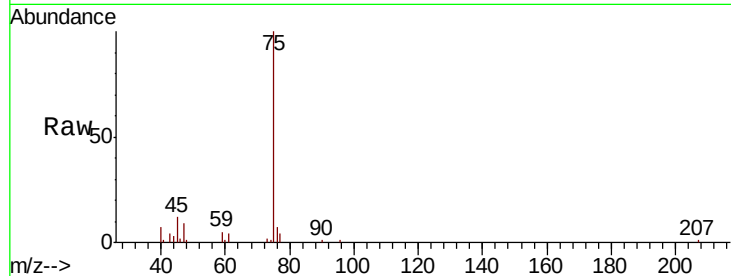




#25
2-Butanone
Concen: 1.714 ug/l
RT: 7.20 min Scan# 897
Delta R.T. -0.01 min
Lab File: VD067158.D
Acq: 07 Oct 2020 17:51

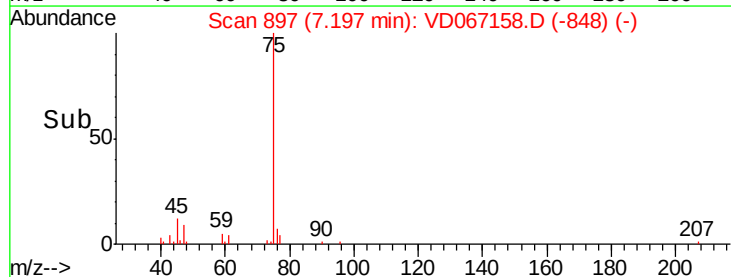
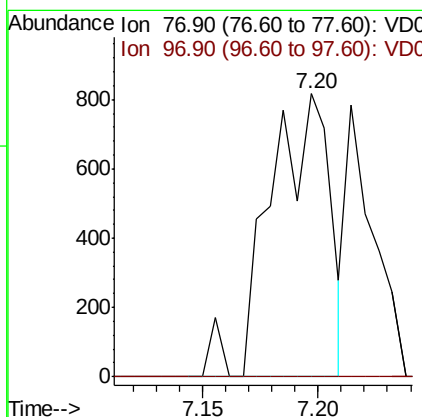
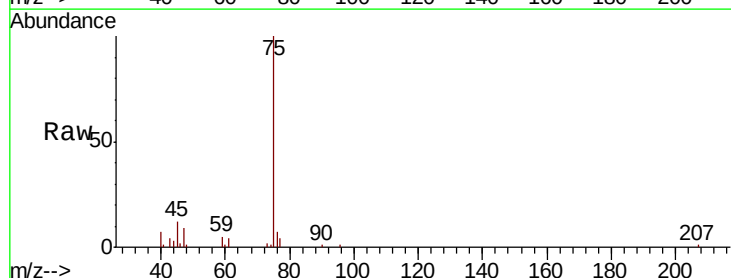
Instrument :
MSVOA_D
ClientSampleId :
SB-6A

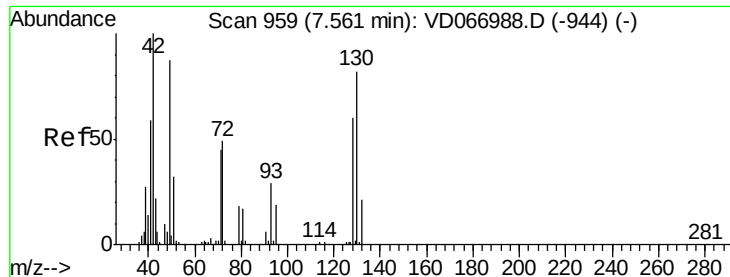
Tot Ion: 43 Resp: 1374
Ion Ratio Lower Upper
43 100
72 0.0 22.8 34.2#



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.20 min Scan# 897
Delta R.T. -0.01 min
Lab File: VD067158.D
Acq: 07 Oct 2020 17:51

Tgt Ion: 77 Resp: 1486
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#





#29

Tetrahydrofuran

Concen: 1.169 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD067158.D

Acq: 07 Oct 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

SB-6A

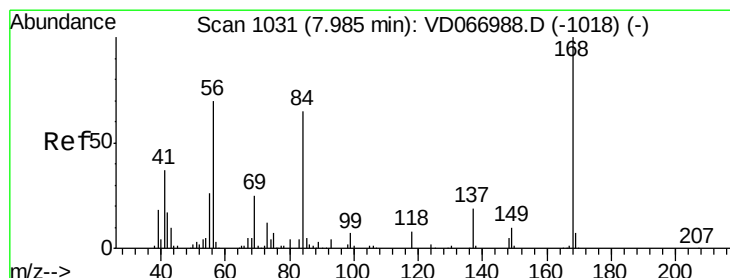
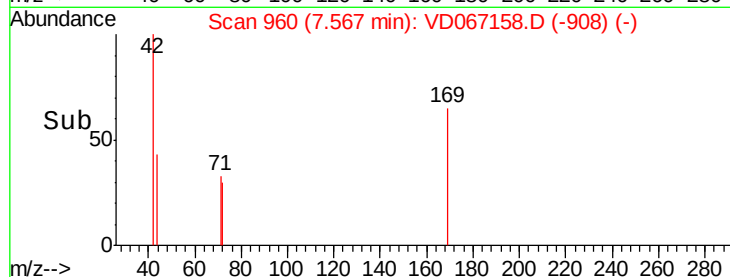
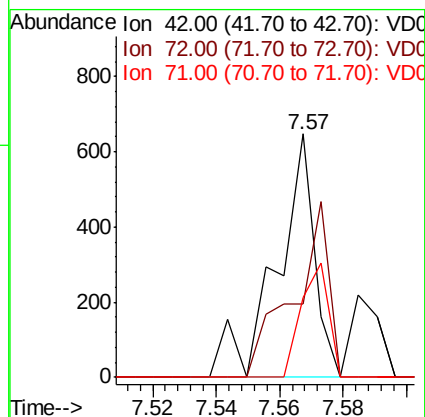
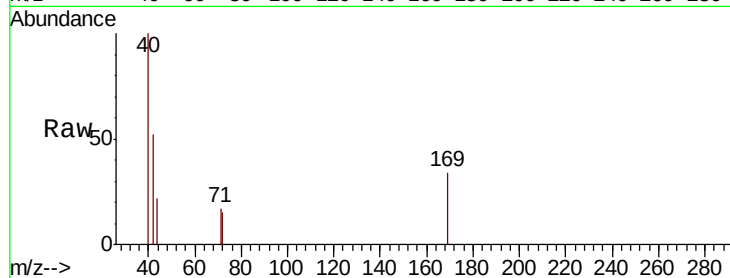
Tot Ion: 42 Resp: 539

Ion Ratio Lower Upper

42 100

72 67.2 39.1 58.7#

71 34.0 34.2 51.4#



#31

Cyclohexane

Concen: 1.468 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067158.D

Acq: 07 Oct 2020 17:51

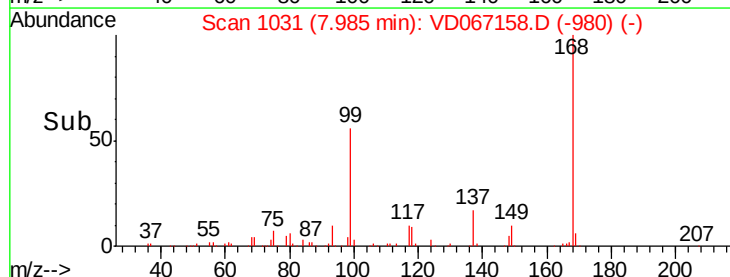
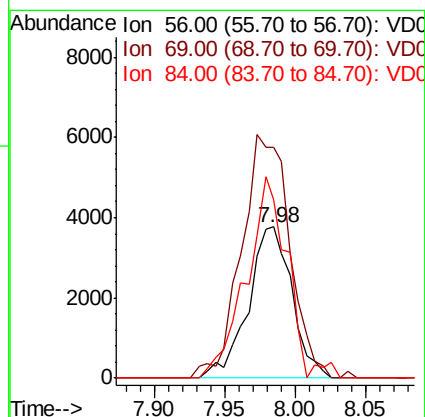
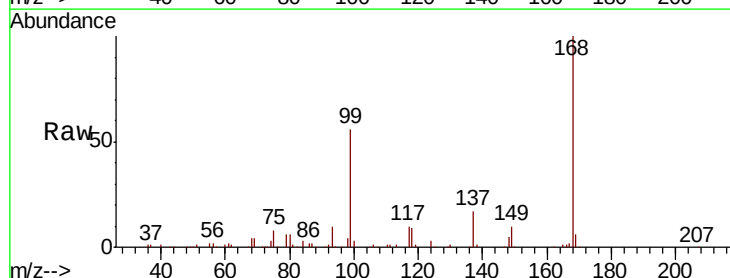
Tgt Ion: 56 Resp: 8166

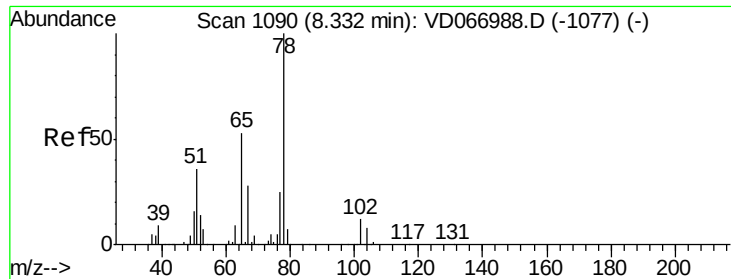
Ion Ratio Lower Upper

56 100

69 153.3 29.0 43.6#

84 118.3 74.2 111.2#

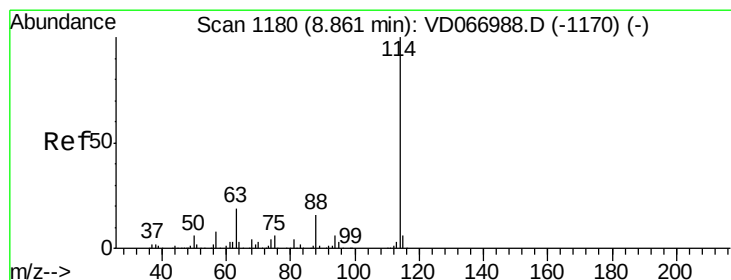
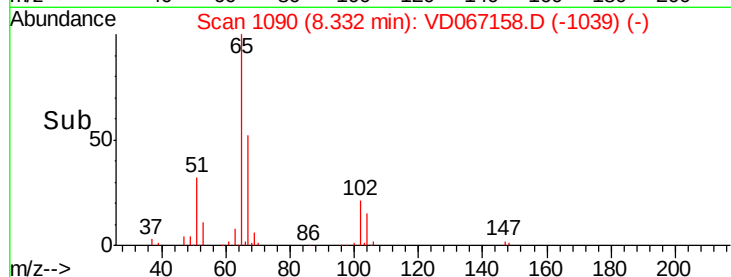
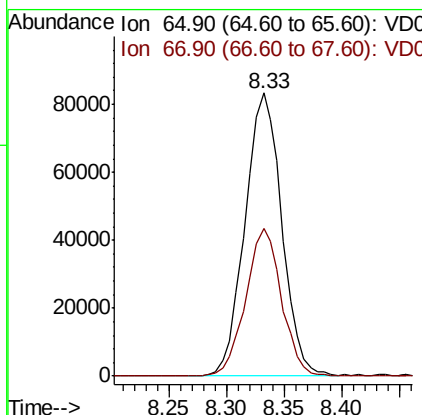
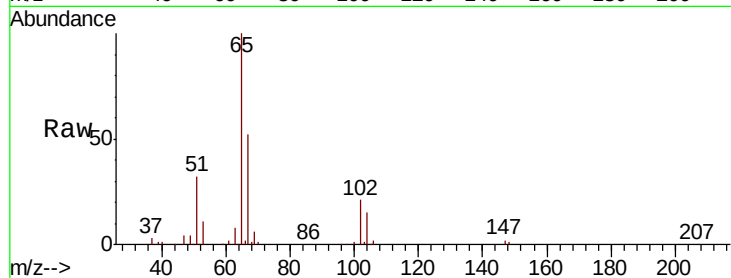




#33
 1,2-Dichloroethane-d4
 Concen: 50.003 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067158.D
 Acq: 07 Oct 2020 17:51

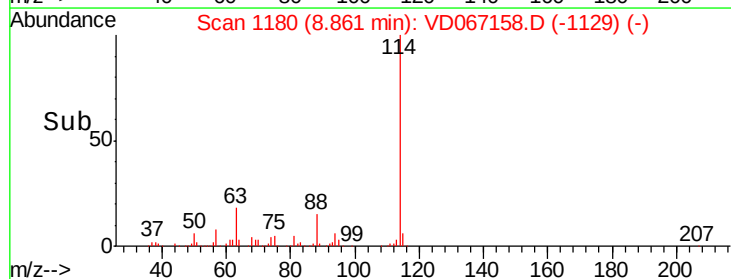
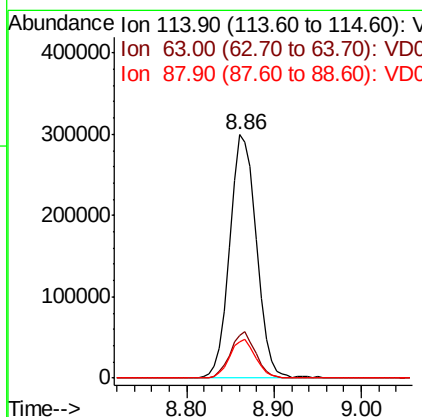
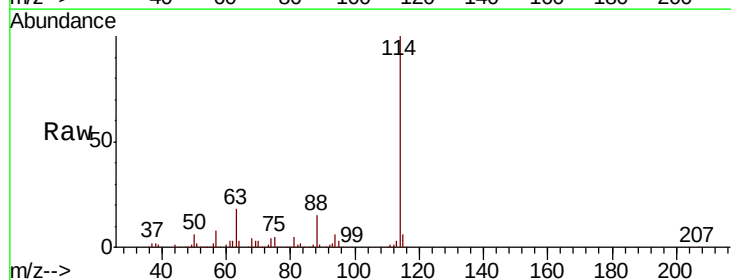
Instrument :
 MSVOA_D
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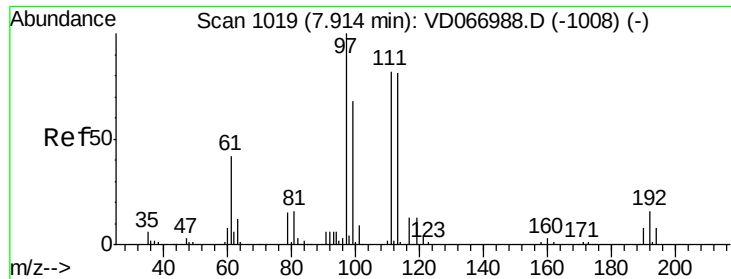
Tot Ion: 65 Resp: 185208
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067158.D
 Acq: 07 Oct 2020 17:51

Tgt Ion: 114 Resp: 620477
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 38.4
 88 15.1 0.0 31.2

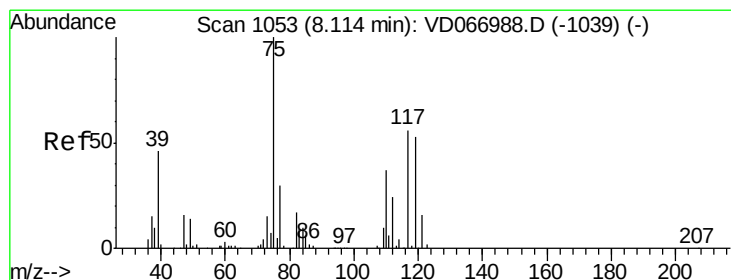
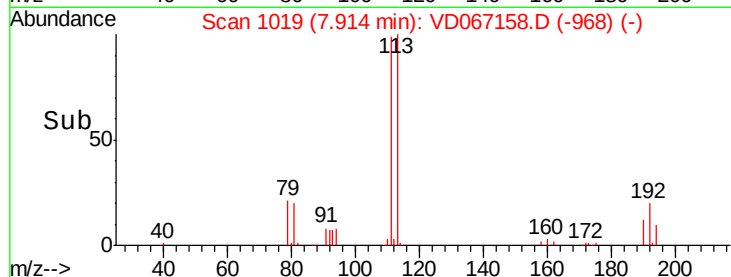
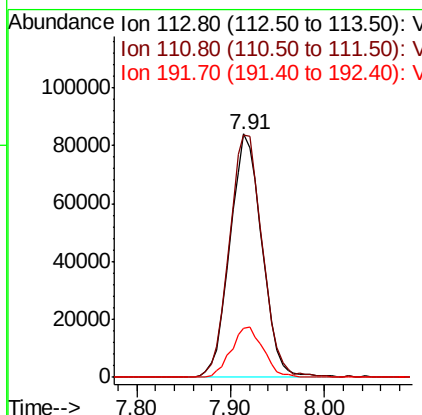
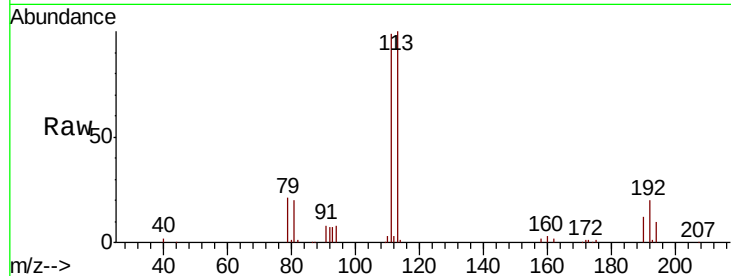




#35
 Dibromofluoromethane
 Concen: 48.861 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067158.D
 Acq: 07 Oct 2020 17:51

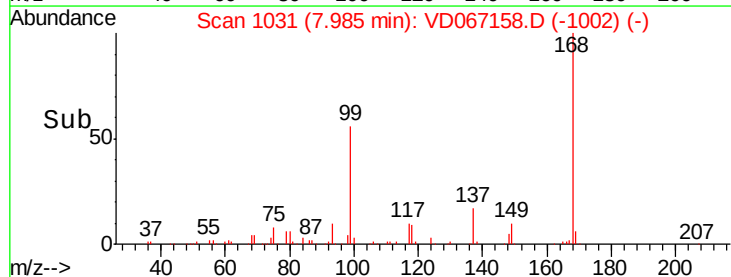
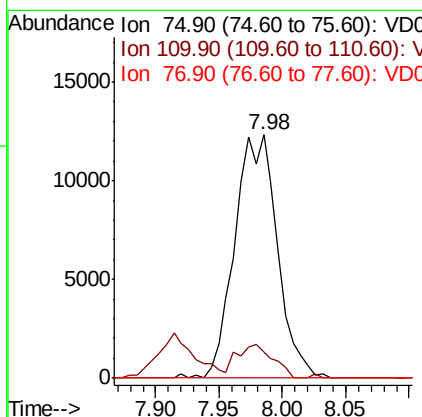
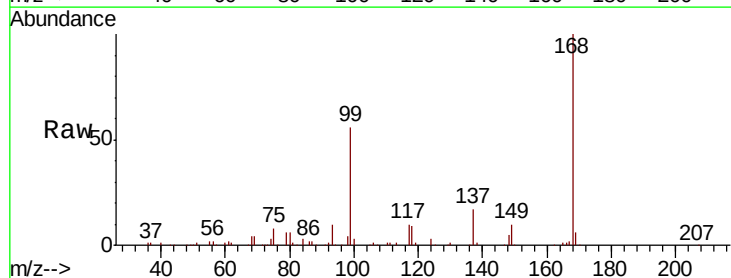
Instrument :
 MSVOA_D
 ClientSampled :
 SB-6A

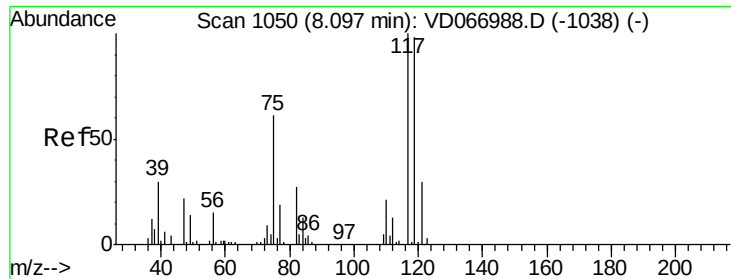
Tot Ion:113 Resp: 198482
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.0 124.4
 192 20.7 15.5 23.3



#36
 1,1-Dichloropropene
 Concen: 4.964 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067158.D
 Acq: 07 Oct 2020 17:51

Tgt Ion: 75 Resp: 28712
 Ion Ratio Lower Upper
 75 100
 110 11.6 18.4 55.0#
 77 0.0 24.8 37.2#

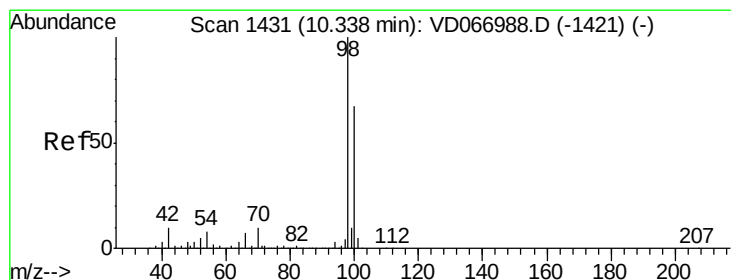
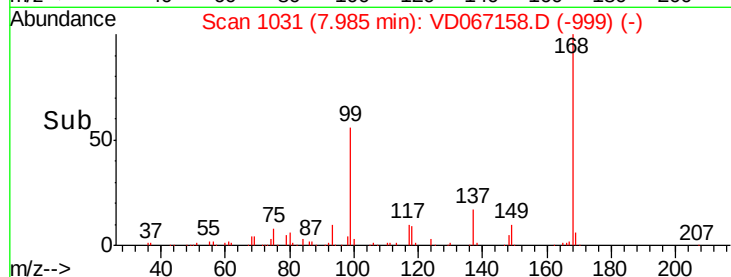
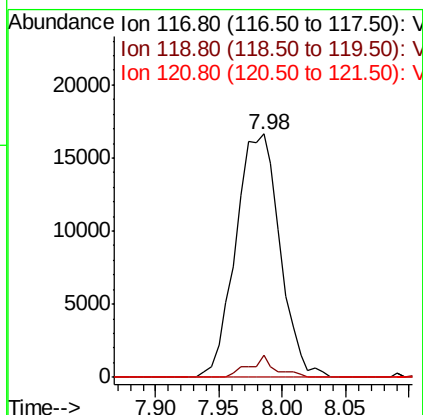
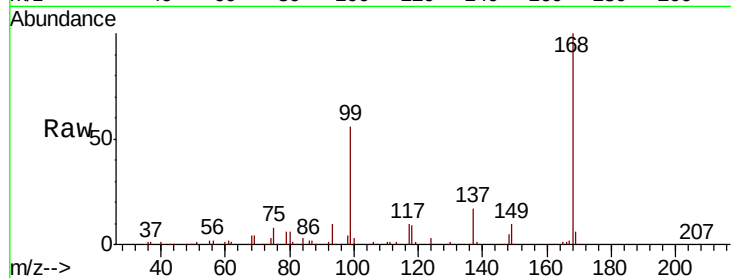




#38
Carbon Tetrachloride
Concen: 6.424 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD067158.D
Acq: 07 Oct 2020 17:51

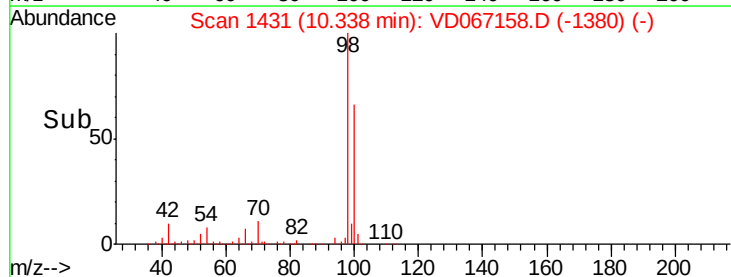
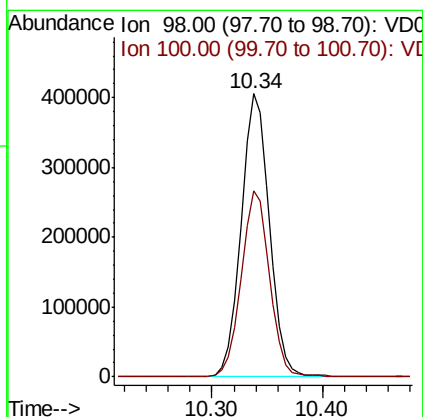
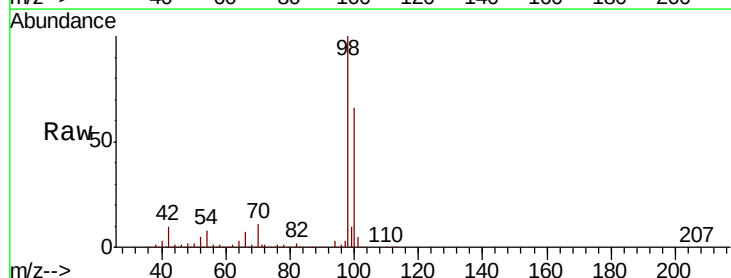
Instrument :
MSVOA_D
ClientSampled :
SB-6A

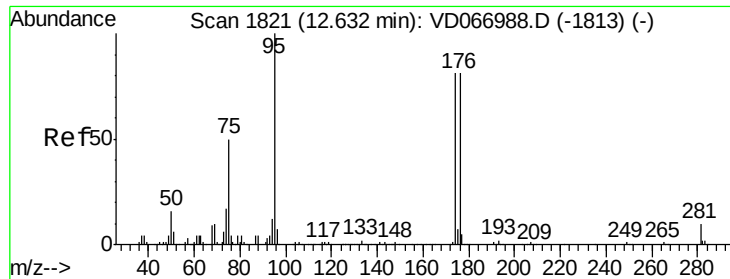
Tot Ion:117 Resp: 40201
Ion Ratio Lower Upper
117 100
119 9.2 78.7 118.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 49.275 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067158.D
Acq: 07 Oct 2020 17:51

Tgt Ion: 98 Resp: 729372
Ion Ratio Lower Upper
98 100
100 65.9 52.8 79.2

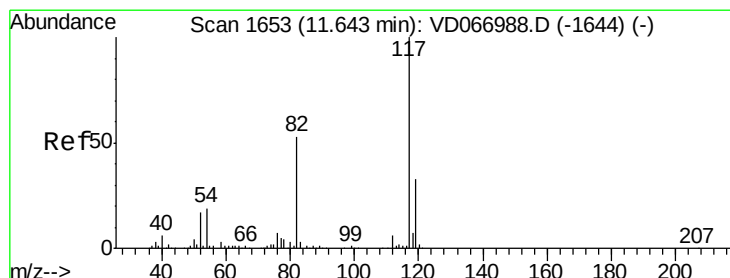
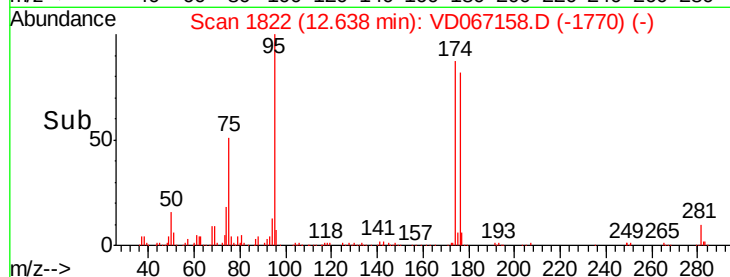
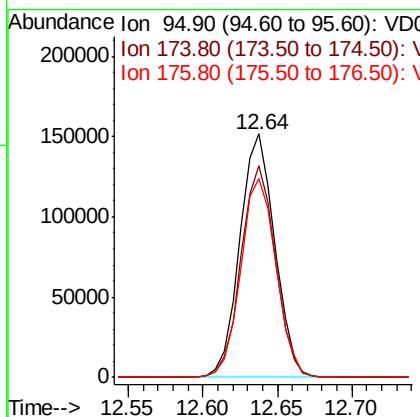
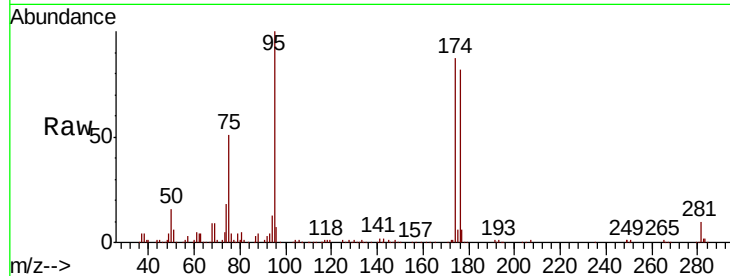




#62
4-Bromofluorobenzene
Concen: 48.879 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067158.D
Acq: 07 Oct 2020 17:51

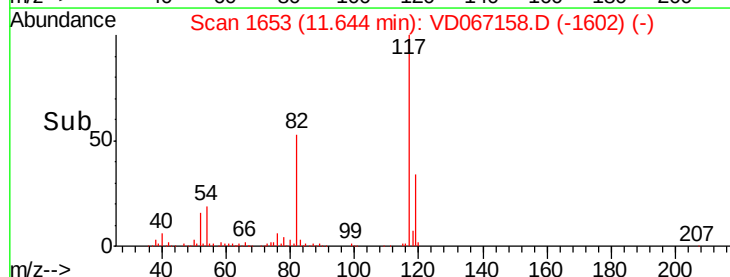
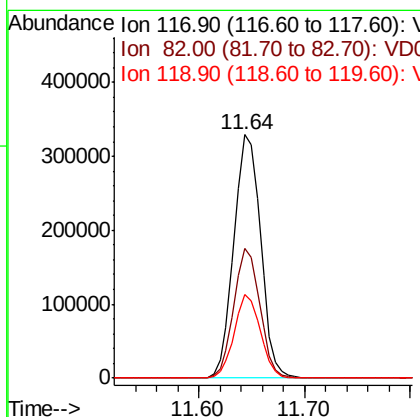
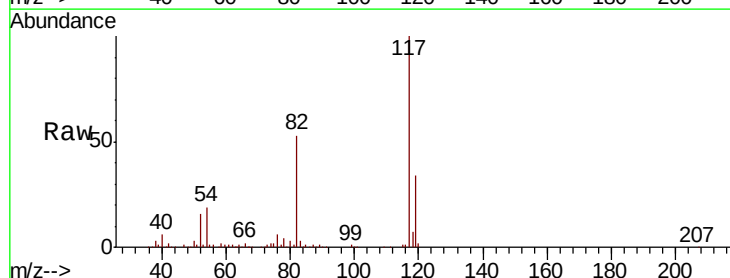
Instrument :
MSVOA_D
ClientSampleId :
SB-6A

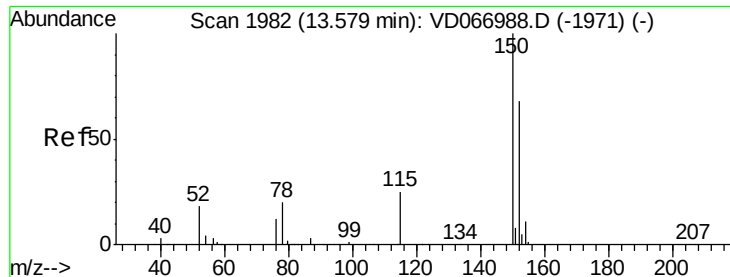
Tot Ion: 95 Resp: 245614
Ion Ratio Lower Upper
95 100
174 85.7 0.0 167.6
176 82.4 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067158.D
Acq: 07 Oct 2020 17:51

Tgt Ion: 117 Resp: 577342
Ion Ratio Lower Upper
117 100
82 53.2 42.6 63.8
119 34.1 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD067158.D

Acq: 07 Oct 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

SB-6A

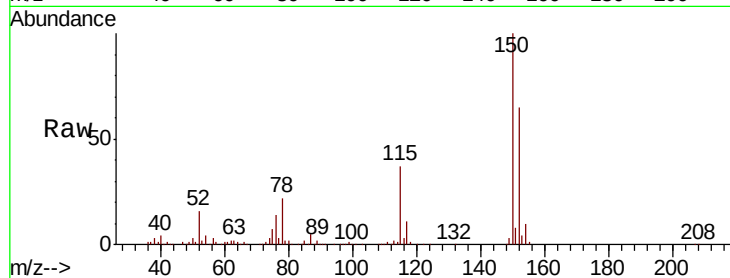
Tot Ion:152 Resp: 271645

Ion Ratio Lower Upper

152 100

115 58.9 29.6 88.8

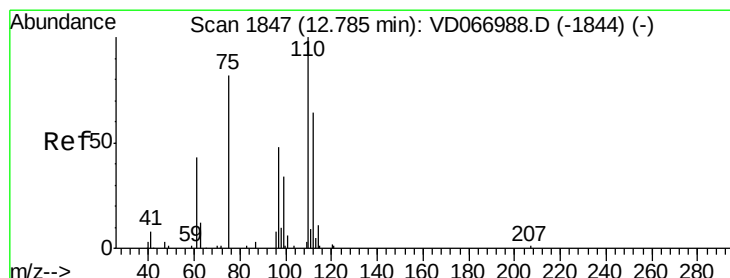
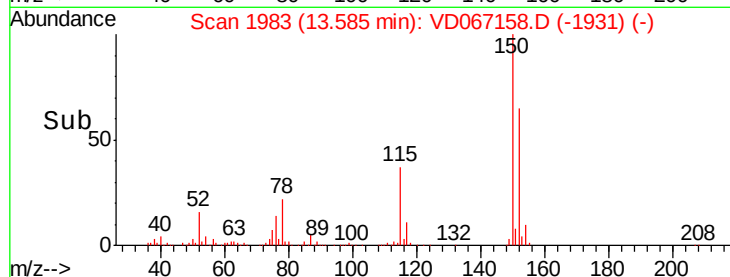
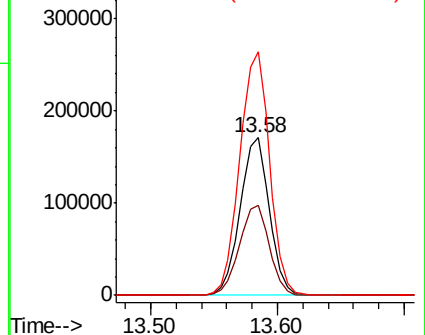
150 158.3 0.0 344.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 52.457 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067158.D

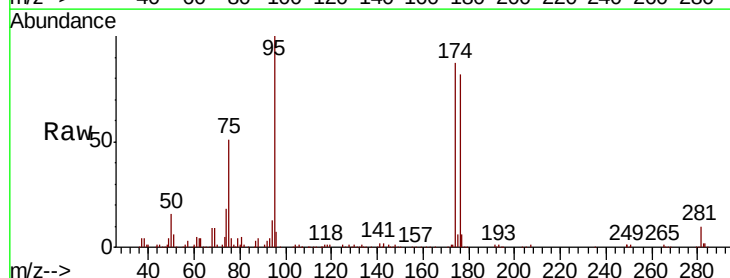
Acq: 07 Oct 2020 17:51

Tgt Ion: 75 Resp: 124120

Ion Ratio Lower Upper

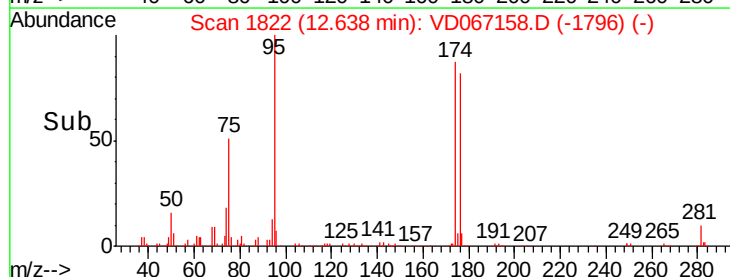
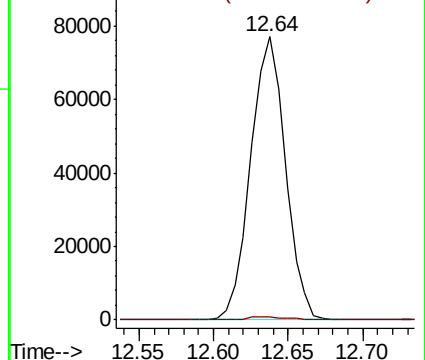
75 100

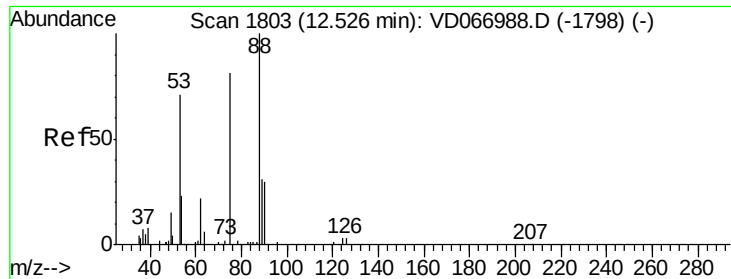
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 130.783 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067158.D

Acq: 07 Oct 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

SB-6A

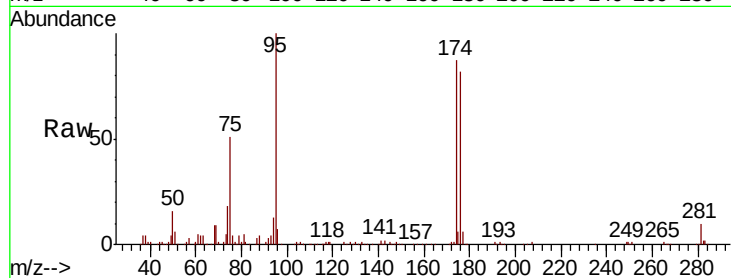
Tot Ion: 75 Resp: 124120

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 38.9 58.3#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC

